

GPR39 marks specific cells within the sebaceous gland and contributes to skin

wound healing

Huashan Zhao^{a,b}, Jingqiao Qiao^c, Shoubing Zhang^d, Huishan Zhang^a, Xiaohua Lei^a,

Xinyue Wang^a, Zhili Deng^{a,b}, Lina Ning^a, Yujing Cao^a, Yong Guo^c, Shuang Liu^{a,*} and Enkui

Duan^{a,*}

Supplementary information list

Table S1

Figure S1

Figure S2

Figure legends for Figure S1 and S2

Table S1. Primers used for RT-PCR

Gene	Sequence (5'-3')
<i>Gpr39</i>	ACCACACCCAGCTATGCTCT
	TGAAGGGATGACAAATGGCAAT
<i>Krt14</i>	AGCGGCAAGAGTGAGATTTCT
	CCTCCAGGTTATTCTCCAGGG
<i>Ivl</i>	ATGTCCCATCAACACACACTG
	TGGAGTTGGTTGCTTTGCTTG
<i>Krt1</i>	ATGACCAAAGTTGAGCTTCAGG
	CAGATCCAAACTGCGGTTGTT
<i>Lgr6</i>	TCAAAGGCACCACTAGCCTG
	GAGACAGCTCCAGGATTCGG
<i>Sox9</i>	CTGAAGGGCTACGACTGGAC
	TACTGGTCTGCCAGCTTCCT
<i>Lgr5</i>	CCTACTCGAAGACTTACCCAGT
	GCATTGGGGTGAATGATAGCA
<i>Blimp1</i>	GCAATCTCAAGACCCACCTTC
	CGAACCTCTCAATTTCTTCATT
<i>Actb</i>	TGGAATCCTGTGGCATCCATGAAAC
	TAAAACGCAGCTCAGTAACAGTCCG

Krt14



Ivl



Krt1



Blimp1



Lgr6



Sox9



Lgr5



Actb



Epi IFE HF NEG

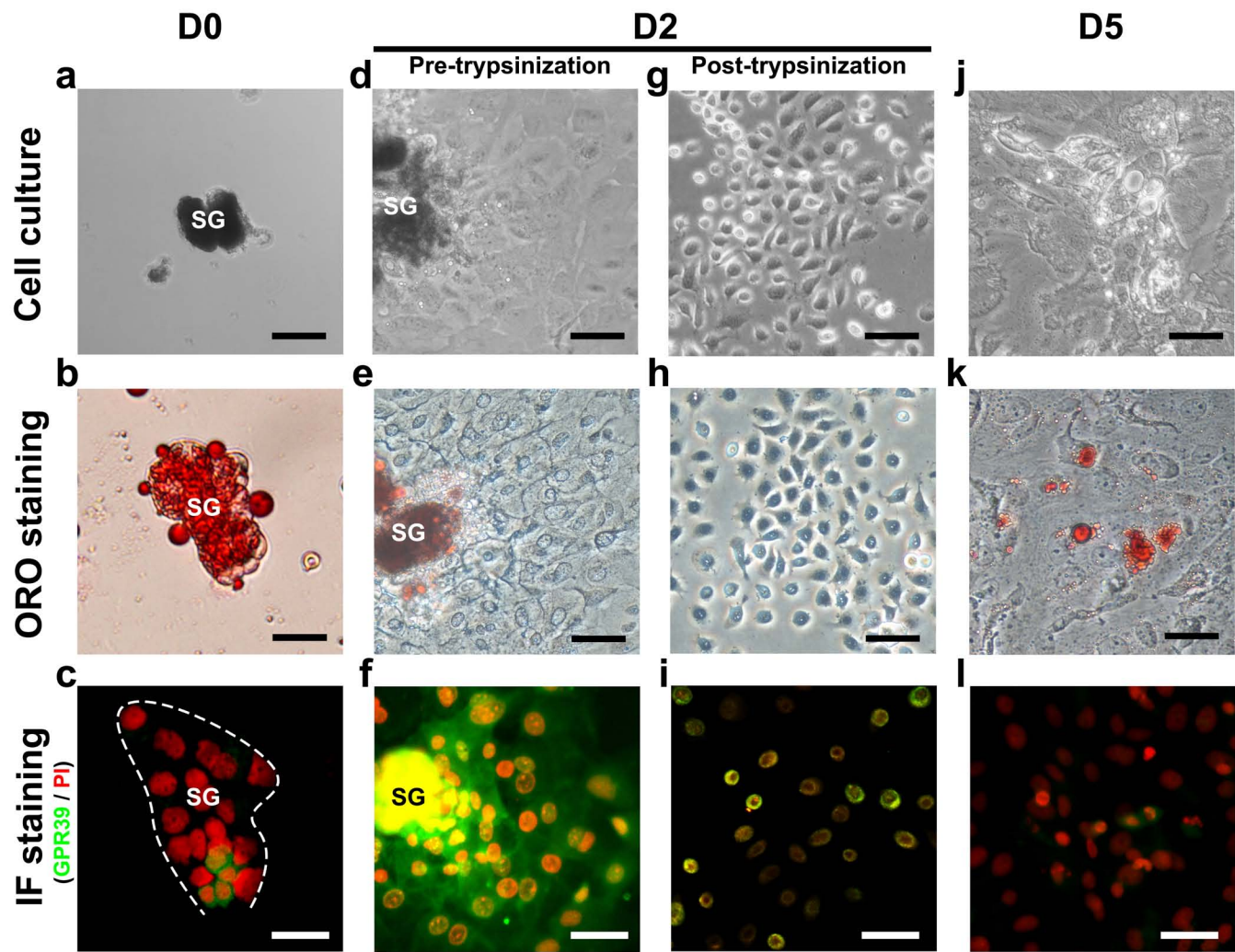


Figure S1. Expression of IFE and HF markers in separate compartments of the epidermis

Figure S2. In vitro culture of whole SGs

(a, d, g and j) Morphology of SGs or SG outgrowth on different days of culture. (b, e, h and k) ORO staining (red) of SGs or SG outgrowth on different days of culture. (c, f, i and l) GPR39 immunostaining (green) of SGs or SG outgrowth on different days of culture. PI was used for nuclear counterstaining. SG, sebaceous gland. Bar = 20 μm .